



**NATIONAL  
AGRICULTURAL  
STATISTICS  
SERVICE**

**USDA, NASS, Kentucky Field Office**  
PO Box 1120  
Louisville, Kentucky 40201-1120  
(502) 582-5293 or 1-800-928-5277

**LELAND E. BROWN, Director**

# KENTUCKY WEEKLY CROP & WEATHER REPORT



In Cooperation with:  
Univ. of Ky - Agr'l Weather Center  
U.S. Dept. of Commerce - NOAA  
Kentucky Department of Agriculture  
Cooperative Extension Service

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JMB 16-06

**AGRICULTURAL NEWS:** Most of the State received much needed rain this week, after nearly 5 weeks of below normal rainfall. There are some parts of the State that still need rain. The average temperature for the week was 73 degrees, 2 degrees below normal. **Topsoil moisture** as of Friday, July 7, was rated 4 percent very short, 31 percent short, 61 percent adequate, and 4 percent surplus. **Subsoil moisture** was rated 6 percent very short, 25 percent short, 67 adequate, and 2 percent surplus. Days suitable for fieldwork averaged 5.1 days out of a possible 7 days. The majority of fieldwork included baling hay, topping early set tobacco, and harvesting wheat.

**TOBACCO:** Tobacco has limited disease presence, with blue mold and blank shank being the most common reported. There were 25 counties with confirmed blue mold sightings, mostly in the eastern part of the State. The tobacco condition was rated 1 percent very poor, 4 percent poor, 24 percent fair, 53 percent good, and 18 percent excellent. As of Sunday, July 9, 50 percent of the tobacco plants were under 24 inches in height, 30 percent 24-36 inches in height, and 20 percent were over 36 inches.

**CORN:** The corn crop is silking, and the potential yields on the early planted corn looks good. The rain received this past week helped, but rain is still needed to continue good crop development. The condition of the corn was rated 5 percent poor, 16 percent fair, 41 percent good, and 38 percent excellent. Seventy-one percent of the corn has silked

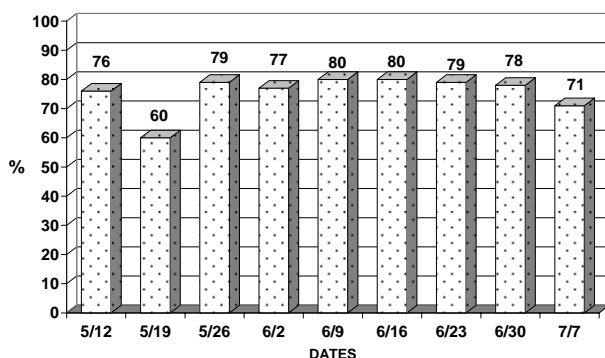
or was silking as of Sunday, July 9, well ahead of both last year and the five year average of 63 percent.

**SOYBEANS:** As of Sunday, July 9, 31 percent of soybeans were blooming, behind last year's 41 percent, but ahead of the five year average of 22 percent. Four percent of the soybeans were setting pods, ahead of the five year average of 1 percent. The soybean condition was rated 1 percent very poor, 4 percent poor, 22 percent fair, 46 percent good, and 27 percent excellent. The early planted soybeans look good. The rains received last week were beneficial, but more rain is needed for the development of the late planted double crop soybeans.

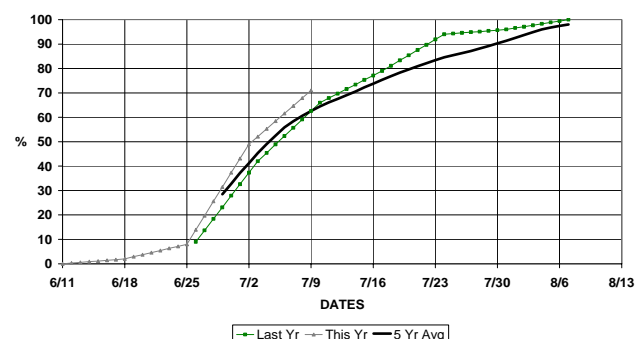
**SMALL GRAINS:** Wheat harvested was 98 percent complete as of Sunday, July 9. The same percent was harvested last year at this time, and is slightly ahead of the five year average of 97 percent. The wheat yield and quality is reported to be good to excellent.

**OTHER CROPS:** One of the main activities this week was baling hay. The hay condition varies throughout the State, depending on how much rain the hay fields have received. Hay condition as of Friday, July 7 was rated 2 percent very poor, 8 percent poor, 37 percent fair, 43 percent good, and 10 percent excellent. The condition of pastures has improved slightly, with conditions as of Friday, July 7 rated 1 percent very poor, 6 percent poor, 32 percent fair, 51 percent good, and 10 percent excellent.

**BURLEY TOBACCO CONDITION**  
% Good to Excellent



**CORN PERCENT SILKED**



## KENTUCKY CROP PROGRESS

WEEK ENDING JULY 9, 2006  
WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week	
				KY	U.S.
Percentage					
Corn Silking	71	63	63	49	10
Soybeans Blooming	31	41	22	18	18
Wheat Harvested	98	98	97	95	65

(NA)Data Not Available.

## SOIL MOISTURE

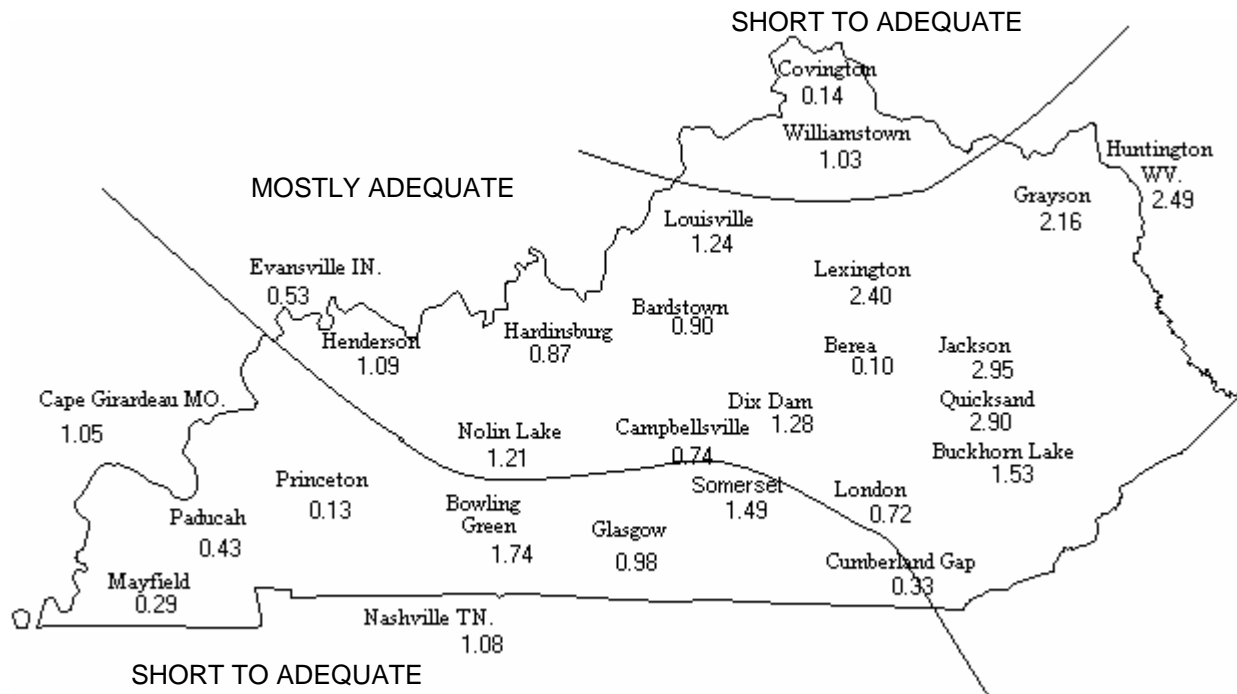
WEEK ENDING JULY 7, 2006  
WITH COMPARISONS

	This Week	Previous Week
Percentage		
<b>TOPSOIL</b>		
Very Short	4	5
Short	31	31
Adequate	61	59
Surplus	4	5
<b>SUBSOIL</b>		
Very Short	6	3
Short	25	29
Adequate	67	63
Surplus	2	5

## KENTUCKY CROP CONDITIONS (Percent)

WEEK ENDING JULY 7, 2006						WEEK ENDING JUNE 30, 2006				
CROP	VERY POOR	POOR	FAIR	GOOD	EXCEL-LENT	VERY POOR	POOR	FAIR	GOOD	EXCEL-LENT
Corn	0	5	16	41	38	1	3	16	42	38
Soybeans	1	4	22	46	27	1	4	20	54	21
Pasture	1	6	32	51	10	1	7	32	47	13
Tobacco	1	4	24	53	18	1	3	18	59	19
Hay Crops	2	8	37	43	10	NA	NA	NA	NA	NA

## PRECIPITATION MAP FOR WEEK ENDING SUNDAY, JULY 9, 7:00 P.M. TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, JULY 7, 2006



## **KENTUCKY WEATHER SUMMARY, JULY 3 – 9, 2006:**

### **Below Normal Temperatures and Above Normal Rainfall:**

After nearly 5 weeks of below normal rainfall, above normal rainfall fell across the Commonwealth this past week. The work week started off dry with highs in the 90s across much of the region. By Tuesday and Wednesday, a cold front approached from the north and brought widespread rainfall and below normal temperatures to the Commonwealth. High pressure built in by the end of the work week and stayed through the weekend. Cool temperatures and dry conditions followed and made for a pleasant weekend.

Temperatures for the period averaged 73 degrees across the State which was 2 degrees below normal and 2 degrees below the previous week's average. High temperatures averaged from 86 in the West to 83 in the East. Departure from normal high temperatures ranged from 4 degrees below normal in the West to 2 degrees below normal in the East. Low temperatures averaged from 64 degrees in the West to 63 degrees in the East. Departure from normal low temperature ranged from 2 degrees below normal in the West to 2 degrees below normal in the East. Extreme high temperatures were in the mid 90s with extreme low temperatures in the mid 50s.

Precipitation (liq. equ.) for the period totaled 1.15 inches statewide which was 0.09 inches above normal. Precipitation totals by climate division, West 0.59 inches, Central 1.16 inches, Bluegrass 1.03 inches and East 1.82 inches, which was -0.34, +0.05, -0.03 and +0.69 inches respectively from normal. By station, precipitation totals ranged from a low of 0.10 inches at Berea to a high of 2.95 inches at Jackson.

Tom Priddy

### **KENTUCKY TEMPERATURES AND RAINFALL**

**FOR WEEK ENDING SUNDAY, JULY 9, 7:00 P.M.**

Weather Station	Rainfall			Deviation From		Air Temperature				Growing Degree Days		
	Last Week	Since April 1	Last Four Wks	Norm Since Apr. 1	Norm Last 4 Wks	High	Low	Wkly. Avg.	Dev. From Norm	Last Week	Since Apr. 1	Dev. Since Apr. 1
	(Inches)					(Degrees Fahrenheit)						
Bardstown	0.90	10.03	3.21	-3.43	-0.56	92	55	72.5	-3	150	1596	-45
Berea	0.10	11.51	1.54	-2.79	-2.24	92	55	73.0	-2	154	1652	-29
Bowling Green	1.74	12.54	3.79	-2.27	-0.23	96	56	74.6	-1	162	1797	+86
Bristol	1.30	13.40	3.91	+1.41	+0.41	91	50	71.4	-4	143	1540	-1
Buckhorn Lake	1.53	13.66	4.64	+0.24	+0.61	93	56	73.4	-2	157	1638	+166
Cape Girardeau	1.05	12.51	2.25	-1.61	-0.98	96	54	75.4	-2	169	1858	+68
Campbellsville	0.74	9.61	1.66	-6.04	-2.53	93	55	73.2	-3	153	1577	-74
Covington	0.14	12.71	1.83	-0.39	-1.83	93	56	73.1	-2	156	1499	+9
Cumberland Gap	0.33	12.01	0.55	-2.67	-3.68	93	56	73.4	-2	157	1604	+93
Dix Dam	1.28	11.60	2.56	-2.47	-1.20	93	55	72.6	-2	150	1533	-108
Evansville	0.53	13.48	2.01	+0.05	-1.37	93	57	74.5	-3	165	1768	+78
Glasgow	0.98	14.06	2.86	-1.69	-1.59	95	55	73.8	-2	156	1797	+176
Grayson	2.16	14.60	4.60	+1.46	+0.76	93	56	72.9	-2	153	1538	+127
Hardinsburg	0.87	12.67	2.32	-1.68	-1.47	93	56	74.1	-2	159	1630	-81
Henderson	1.09	12.21	1.96	-1.58	-1.63	94	56	74.2	-3	162	1638	-82
Huntington	2.49	13.66	4.28	+0.67	+0.51	93	55	72.9	-2	153	1623	+103
Jackson	2.95	14.15	5.45	+0.23	+1.51	92	57	72.3	-3	150	1666	+194
Lexington	2.40	12.98	3.70	-0.48	-0.07	94	55	72.9	-2	150	1550	+30
London	0.72	12.61	2.74	-0.57	-0.93	92	54	71.7	-3	146	1588	+77
Louisville	1.24	16.48	4.03	+2.86	+0.53	92	55	72.5	-3	151	1592	-98
Mayfield	0.29	11.13	2.58	-3.60	-0.86	93	56	73.4	-4	157	1604	-168
Nashville	1.08	12.65	2.90	-1.32	-0.51	96	62	77.1	+1	180	1963	+143
Nolin Lake	1.21	14.50	3.63	-0.90	-0.32	95	56	74.2	-2	161	1627	+55
Paducah	0.43	13.62	3.09	-1.60	-0.69	94	56	75.6	-2	171	1917	+136
Princeton	0.13	11.96	1.95	-2.90	-1.73	93	56	74.6	-3	165	1842	+92
Quicksand	2.90	12.30	5.39	-1.62	+1.45	93	56	73.4	-2	157	1600	+128
Somerset	1.49	13.41	3.55	-1.67	-0.56	92	54	72.6	-2	148	1548	-54
Spindletop	1.24	9.57	2.11	-3.89	-1.66	92	55	71.7	-3	145	1505	-15
Williamstown	1.03	14.90	4.02	+1.25	+0.32	93	56	73.1	-2	153	1472	-48

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000 ext 245. E-mail: priddy@uky.edu Additional Ky weather data available on Internet at: <http://www.agwx.ca.uky.edu/>

## APPARENT TEMPERATURE CHART

Rel Humid %	Air Temperature (Degrees Fahrenheit)					
	85	90	95	100	105	110
20	82	87	93	99	105	112
30	84	90	96	104	113	123
40	86	93	101	110	123	137
50	88	96	107	120	135	150
60	90	100	114	132	149	
70	93	106	124	144		
80	97	113	130			
90	102	122				
100	108					

CATEGORY	APPARENT TEMP	HEAT SYMPTOMS
I	> 130 degrees	Heatstroke imminent
II	105 to 130 degrees	Sunstroke likely, heatstroke possible
III	90 to 105 degrees	Sunstroke possible
IV	80 to 90 degrees	Fatigue possible

### HOW TO USE THE “APPARENT TEMPERATURE” CHART

If the outside air temperature was currently 100 degrees (F) and relative humidity was currently 50%, the apparent temperature would be 120 degrees (see chart). This means the outside temperature would feel like it was 120 degrees. Under these conditions sunstroke would be likely and heatstroke possible if exposure is prolonged. Keep in mind that the actual degree of heat stress experienced will vary with individual age, health, and body characteristics.

This release and others can be viewed on the Internet at <http://www.nass.usda.gov/ky/> For a free E-Mail subscription of the Kentucky Weekly Crop & Weather report, on the Internet go to <http://www.nass.usda.gov/sub-form.htm> and follow the instructions.